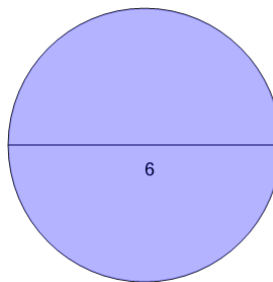




Math worksheet on 'Area of a Circle - Diameter to Equation (Level 1)'. Part of a broader unit on 'Geometry - Circle Area - Intro'

Learn online: [app.mobius.academy/math/units/geometry\\_circles\\_area\\_intro/](http://app.mobius.academy/math/units/geometry_circles_area_intro/)

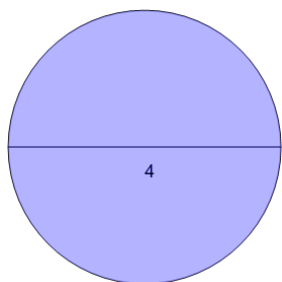
1



Find the equation that represents the area of this circle

- |          |  |          |                  |
|----------|--|----------|------------------|
| <b>a</b> | $\pi \cdot 6^2$                        | <b>b</b> | $\pi \cdot 12$   |
| <b>c</b> | $\frac{\pi}{6}$                        | <b>d</b> | $\frac{\pi}{12}$ |
| <b>e</b> | $\pi \cdot \left(\frac{6}{2}\right)^2$ |          |                  |

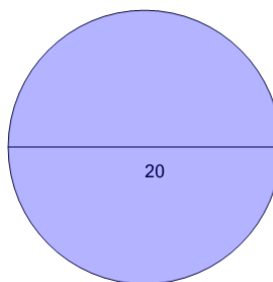
2



Find the equation that represents the area of this circle

- |          |  |          |  |
|----------|--|----------|--|
| <b>a</b> | $\pi \cdot \left(\frac{4}{2}\right)^2$ | <b>b</b> | $\pi \cdot \left(\frac{1}{2}\right)^2$ |
| <b>c</b> | $\pi \cdot 4^2$                        | <b>d</b> | $\frac{\pi}{8}$                        |
| <b>e</b> | $\pi \cdot 0^2$                        |          |  |

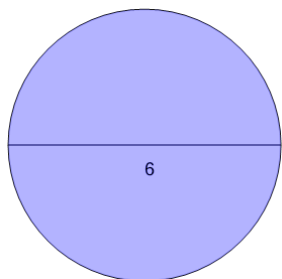
3



Find the equation that represents the area of this circle

- |          |   |          |                |
|----------|---|----------|----------------|
| <b>a</b> | $\pi \cdot \left(\frac{18}{2}\right)^2$ | <b>b</b> | $\pi \cdot 22$ |
| <b>c</b> | $\pi \cdot \left(\frac{20}{2}\right)^2$ | <b>d</b> | $\pi \cdot 21$ |
| <b>e</b> | $\pi \cdot \left(\frac{22}{2}\right)^2$ |          |                |

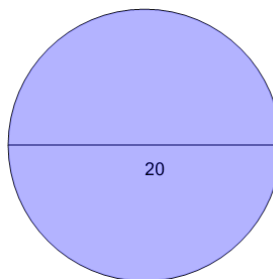
4



Find the equation that represents the area of this circle

- |          |  |          |  |
|----------|--|----------|--|
| <b>a</b> | $\frac{\pi}{12}$                       | <b>b</b> | $\pi \cdot \left(\frac{6}{2}\right)^2$ |
| <b>c</b> | $\pi \cdot \left(\frac{2}{2}\right)^2$ | <b>d</b> | $\pi \cdot 6^2$                        |
|          |  |          |  |

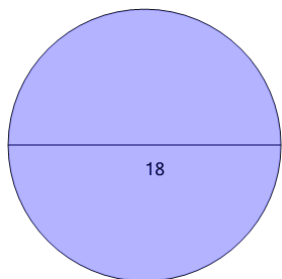
5



Find the equation that represents the area of this circle

- |          |   |          |                |
|----------|---|----------|----------------|
| <b>a</b> | $\pi \cdot \left(\frac{20}{2}\right)^2$ | <b>b</b> | $\pi \cdot 40$ |
| <b>c</b> | $\pi \cdot 16$                          | <b>d</b> | $\pi \cdot 20$ |
| <b>e</b> | $\frac{\pi}{40}$                        |          |                |

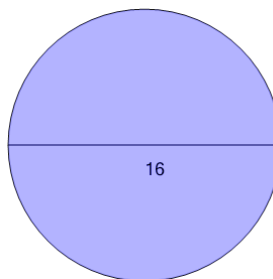
6



Find the equation that represents the area of this circle

- |          |   |          |   |
|----------|---|----------|---|
| <b>a</b> | $\pi \cdot \left(\frac{18}{2}\right)^2$ | <b>b</b> | $\frac{\pi}{36}$                        |
| <b>c</b> | $\pi \cdot 20$                          | <b>d</b> | $\pi \cdot \left(\frac{21}{2}\right)^2$ |
| <b>e</b> | $\frac{\pi}{16}$                        |          |   |

7



Find the equation that represents the area of this circle

- |          |   |          |                  |
|----------|---|----------|------------------|
| <b>a</b> | $\pi \cdot 16^2$                        | <b>b</b> | $\pi \cdot 32$   |
| <b>c</b> | $\pi \cdot \left(\frac{16}{2}\right)^2$ | <b>d</b> | $\pi \cdot 32^2$ |
| <b>e</b> | $\pi \cdot 16$                          |          |                  |